WHAT IS CLAIMED IS:

1. An information processing apparatus comprising:

a first memory device for storing a first program including a command

5   to execute other programs;

a second memory device for storing a second program to perform a

predetermined processing in accordance with the command in the first

program;

a third memory device for storing a backup program for the second

10 program;

a fourth memory device for storing a first state information to

substantially indicate that the second program does not properly perform the

predetermined processing; and

a first selection device for selecting either one of the second program

15 and the backup program, as a program to be executed in accordance with the

command in the first program, on the basis of the first state information.

2. The information processing apparatus according to claim 1, wherein

said first selection device is embodied with a command in the first program.

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3. The information processing apparatus according to claim 1, further

comprising:

a first state information set device for setting or changing the first

state information to a first content, when the first program executes or

25 executed the second program or the backup program; and

a second state information set device for setting or changing the first

state information to a second content, when the second program or the backup program ends or ended properly.

4.   The information processing apparatus according to claim 3, wherein said first state information set device is embodied with a command in the first program.

5.   The information processing apparatus according to claim 3, wherein said second state information set device is embodied with a command in the second program or in the backup program.

6.   The information processing apparatus according to claim 1, further comprising:

a fifth memory device for storing a default program of the second program;

a sixth memory device for storing a second state information to substantially indicate that the backup program does not properly perform its predetermined processing; and

a second selection device for selecting either one of the backup program and the default program, as a program to be executed in accordance with the command in the first program, on the basis of the second state information.

7.   The information processing apparatus according to claim 6, wherein said second selection device is embodied with a command in the first program.

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8.   The information processing apparatus according to claim 1, further comprising:

an update device for updating the second program; and

a backup device for storing the second program, as the backup

5   program, that is not still updated with said update device, into said third memory device.

9.   The information processing apparatus according to claim 8, wherein said update device receives a new second program that is supplied via a

10   communication network, and replaces the existing second program with the new second program.

10.   The information processing apparatus according to claim 1, wherein the first state information substantially indicates the number of times that

15   the second program does not properly perform its predetermined processing, and

said first selection device compares the number of times that is indicated by the first state information with a reference numeral, and selects either one of the second program and the backup program, as a program to be

20   executed in accordance with the command in the first program, on the basis of a result of the comparison.

11.   The information processing apparatus according to claim 1, further comprising a first notice device for generating a notice information to

25   substantially indicate that the backup program is selected.

12.   The information processing apparatus according to claim 6, further comprising a second notice device for generating a notice information to substantially indicate that the default program is selected.

5   13.   The information processing apparatus according to claim 1, wherein the first state information is a flag.

14.   The information processing apparatus according to claim 1, wherein the first program includes a boot loader program.

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15.   The information processing apparatus according to claim 1, wherein the second program includes an operating system program.

16.   A computer program product in a computer-readable medium for
15   tangibly embodying a program of instructions executable by a computer to make the computer function as an information processing apparatus, said apparatus comprising:

a first memory device for storing a first program including a command to execute other programs;

20   a second memory device for storing a second program to perform a predetermined processing in accordance with the command in the first program;

a third memory device for storing a backup program for the second program;

25   a fourth memory device for storing a first state information to substantially indicate that the second program does not properly perform the

predetermined processing; and

a first selection device for selecting either one of the second program and the backup program, as a program to be executed in accordance with the command in the first program, on the basis of the first state information.

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17.   An information processing method feasible with an information processing apparatus capable of processing a first program including a command to execute other programs; a second program to perform a predetermined processing in accordance with the command in the first program; a backup program for the second program; and a first ·state information to substantially indicate that the second program does not properly perform its predetermined processing,

said method comprising:

a first state information set process of setting or changing the first state information to a first content, when the first program executes or executed the second program or the backup program;

a second state information set process of setting or changing the first state information to a second content, when the second program or the backup program ends or ended properly; and

20   a selection process of selecting either one of the second program and the backup program, on the basis of the first state information, when the first program executes again the second program or the backup program.